

小马哥的 Java 项目实战营

Java EE 项目 - 第四节 数据校验

小马哥 (mercyblitz)

我是谁？

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议题

- Apache commons-validator
- Bean Validation 1.0 (JSR-303)
- 问答互动

Apache commons-validator

- 简介

A common issue when receiving data either electronically or from user input is verifying the integrity of the data. This work is repetitive and becomes even more complicated when different sets of validation rules need to be applied to the same set of data based on locale. Error messages may also vary by locale. This package addresses some of these issues to speed development and maintenance of validation rules.

Apache commons-validator

- 功能特性
 - 可配置的校验引擎
 - 可重用的原生校验手段
- 第三方依赖
 - commons-beanutils
 - commons-digester
 - commons-logging
 - commons-collections

Apache commons-validator

- 验证器类型
 - Date 与 Time 校验器
 - 数值校验器
 - 正则表达式校验器
 - ISBN校验器
 - IP 地址校验器
 - 邮件地址校验器
 - URL 校验器
 - 域名校验器

Apache commons-validator

- Date 与 Time 校验器
 - API
 - org.apache.commons.validator.routines.DateValidator
 - org.apache.commons.validator.routines.CalendarValidator
 - org.apache.commons.validator.routines.TimeValidator
 - 使用场景
 - 校验
 - 格式化
 - 时区
 - 比较

Apache commons-validator

- 数值校验器 (Numeric)
- API
 - org.apache.commons.validator.routines.ByteValidator
 - org.apache.commons.validator.routines.ShortValidator
 - org.apache.commons.validator.routines.IntegerValidator
 - org.apache.commons.validator.routines.LongValidator
 - org.apache.commons.validator.routines.FloatValidator
 - org.apache.commons.validator.routines.DoubleValidator
 - org.apache.commons.validator.routines.BigIntegerValidator
 - org.apache.commons.validator.routines.BigDecimalValidator
 - org.apache.commons.validator.routines.CurrencyValidator

Apache commons-validator

- 其他校验器
- API
 - org.apache.commons.validator.routines.RegexValidator
 - org.apache.commons.validator.routines.CodeValidator
 - org.apache.commons.validator.routines.ISBNValidator
 - org.apache.commons.validator.routines.InetAddressValidator
 - org.apache.commons.validator.routines.EmailValidator
 - org.apache.commons.validator.routines.UrlValidator
 - org.apache.commons.validator.routines.DomainNameValidator

Bean Validation 1.0 (JSR-303)

- 介绍

Java API for JavaBean validation in Java EE and Java SE. The technical objective of this work is to provide a class level constraint declaration and validation facility for the Java application developer, as well as a constraint metadata repository and query API.

- 规范版本

- 2009.10.12 Bean Validation 1.0 (JSR-303)
- 2013.04.10 Bean Validation 1.1 (JSR-349)
- 2017.06.21 Bean Validation 2.0.0.CR1 (JSR-380)

Bean Validation 1.0 (JSR-303)

- 常用注解
 - @Valid
 - @NotNull
 - @Null
 - @Size
 - @Min
 - @Max

THANKS! |  极客大学